

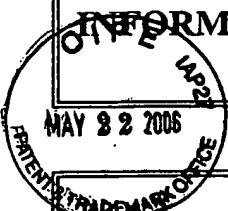
Form PTO-1449 (Modified)

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
600-1-087CIP1Serial No.
08498,491Applicant
Friedman, J. et al.Filing Date
May 10, 1995Group
1812**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

MAY 22 2006

IAP2

**U.S. PATENT DOCUMENTS**

*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
CS	A1	5,521,283	5/28/96	DiMarchi, R.D. et al.	530	324	
	A2	5,525,705	6/11/96	DiMarchi, R.D. et al.	530	324	
	A3	5,532,336	7/2/96	DiMarchi, R.D. et al.	530	324	
	A4	5,552,522	9/3/96	DiMarchi, R.D. et al.	530	324	
	A5	5,552,523	9/3/96	Basinski, M.B. et al.	530	324	
	A6	5,552,524	9/3/96	Basinski, M.B. et al.	530	324	
	A7	5,554,727	9/10/96	Basinski, M.B. et al.	530	324	
	A8	5,559,208	9/24/96	Basinski, M.B. et al.	530	317	
	A9	5,563,243	10/8/96	DiMarchi, R.D. et al.	530	324	
	A10	5,563,244	10/8/96	DiMarchi, R.D. et al.	530	324	
	A11	5,563,245	10/8/96	DiMarchi, R.D. et al.	530	4	
	A12	5,567,678	10/22/96	DiMarchi, R.D. et al.	530	324	
	A13	5,567,803	10/22/96	Basinski, M.B. et al.	530	324	
	A14	5,569,743	10/29/96	DiMarchi, R.D. et al.	530	324	
	A15	5,569,744	10/29/96	Basinski, M.B. et al.	530	324	
	A16	5,574,133	11/12/96	DiMarchi, R.D. et al.	530	324	
	A17	5,580,954	12/03/96	DiMarchi, R.D. et al.	530	324	
	A18	5,594,101	1/14/97	Becker, G.W. et al.	530	317	
	A19	5,594,104	1/14/97	Basinski, M.B. et al.	530	324	
CS	A20	5,605,886	2/25/97	Basinski, M.B. et al.	514	12	

EXAMINER	DATE CONSIDERED
G. Draper	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 600-1-087CIP1	Serial No. 08/438,431
INFORMATION DISCLOSURE STATEMENT			
<i>(Use several sheets if necessary)</i>			
Applicant Friedman, J. et al.	Filing Date May 10, 1995	Group 1812	

U.S. PATENT DOCUMENTS							
*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
CS	A21	5,614,379	3/25/97	MacKellar, W.C. et al.	435	68.1	
	A22	5,643,748	7/01/97	Snodgrass, H.R. et al.	435	69.1	
	A23	5,691,309	11/25/97	Basinski, M.B. et al.	514	12	
CS	A24	5,698,389	12/16/97	de la Brousse	435	4	

EXAMINER <u>C. Draper</u>	DATE CONSIDERED
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 600-1-087CIP1	Serial No. 087458,431
INFORMATION DISCLOSURE STATEMENT		Applicant Friedman, J. et al.	
(Use several sheets if necessary)		Filing Date May 10, 1995	Group 1812

FOREIGN PATENT DOCUMENTS								
*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
CS	B1	EP 725078 A1	8/7/96	EP				
	B2	EP 725079 A1	8/7/96	EP				
	B3	EP 736599 A2	10/9/96	EP				
	B4	EP 741187 A2	11/6/96	EP				
	B5	EP 743321 A2	11/20/96	EP				
	B6	EP 744408 A2	11/27/96	EP				
	B7	EP 745610 A2	12/4/96	EP				
	B8	EP 759441 A2	2/26/97	EP				
	B9	EP 764722 A2	3/26/97	EP				
	B10	EP 784979 A2	7/23/97	EP				
	B11	EP 784981 A2	7/23/97	EP				
	B12	EP 784982 A2	7/23/97	EP				
	B13	EP 786256 A2	7/30/97	EP				
CS	B14	EP 797999 A2	10/1/97	EP				

EXAMINER <u>G. Draper</u>	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 600-1-087CIP1	Serial No. 08/438,431
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		Applicant Friedman, J. et al.	
		Filing Date May 10, 1995	Group 1812

FOREIGN PATENT DOCUMENTS								
*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
CS	B15	JP 8-333394	12/17/96	JP			<i>ABSTRACT ONLY</i>	
	B16	JP 9-3098	1/7/97	JP			<i>ABSTRACT ONLY</i>	
	B17	WO 96/05861	2/29/96	PCT				
	B18	WO 96/22308	7/25/96	PCT				
	B19	WO 96/23513	8/8/96	PCT				
	B20	WO 96/23514	8/8/96	PCT				
	B21	WO 96/23515	8/8/96	PCT				
	B22	WO 96/23516	8/8/96	PCT				
	B23	WO 96/23517	8/8/96	PCT				
	B24	WO 96/23518	8/8/96	PCT				
	B25	WO 96/23519	8/8/96	PCT				
CS	B26	WO 96/23520	8/8/96	PCT				

EXAMINER <u>C. Draper</u>	DATE CONSIDERED
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 600-1-087CIP1	Serial No. 087438,431
INFORMATION DISCLOSURE STATEMENT		Applicant Friedman, J. et al.	
(Use several sheets if necessary)		Filing Date May 10, 1995	Group 1812

FOREIGN PATENT DOCUMENTS								
*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
CS	B27	WO 96/23815	8/8/96	PCT				
	B28	WO 96/24670	8/15/96	PCT				
	B29	WO 96/27385	9/12/96	PCT				
	B30	WO 96/29405	9/26/96	PCT				
	B31	WO 96/31526	10/10/96	PCT				
	B32	WO 96/34111	10/31/96	PCT				
	B33	WO 96/34885	11/7/96	PCT				
	B34	WO 96/35787	11/14/96	PCT				
	B35	WO 96/36641	11/21/96	PCT				
	B36	WO 96/36644	11/21/96	PCT				
	B37	WO 96/37517	11/28/96	PCT				
	B38	WO 96/38152	12/5/96	PCT				
	B39	WO 96/38586	12/5/96	PCT				
	B40	WO 97/00319	1/3/97	PCT				
	B41	WO 97/00866	1/9/97	PCT				
	B42	WO 97/02004	1/23/97	PCT				
	B43	WO 97/11192	3/27/97	PCT				
CS	B44	WO 97/13500	4/17/97	PCT				

EXAMINER <u>G. Draper</u>	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 600-1-087CEP1	Serial No. 08/438,431
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		Applicant Friedman, J. et al.			
		Filing Date May 10, 1995	Group 1812		

FOREIGN PATENT DOCUMENTS								
*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
CS	B45	WO 97/15322	5/1/97	PCT				
	B46	WO 97/16189	5/9/97	PCT				
	B47	WO 97/16550	5/9/97	PCT				
	B48	WO 97/18806	5/29/97	PCT				
	B49	WO 97/18228	5/22/97	PCT				
	B50	WO 97/19952	6/5/97	PCT				
	B51	WO 97/20933	6/12/97	PCT				
	B52	WO 97/24440	7/10/97	PCT				
	B53	WO 97/25425	7/17/97	PCT				
	B54	WO 97/26004	7/24/97	PCT				
	B55	WO 97/26011	7/24/97	PCT				
	B56	WO 97/26012	7/24/97	PCT				
	B57	WO 97/26013	7/24/97	PCT				
	B58	WO 97/26523	7/24/97	PCT				
	B59	WO 97/26916	7/31/97	PCT				
	B60	WO 97/27286	7/31/97	PCT				
	B61	WO 97/28824	8/14/97	PCT				
	B62	WO 97/31015	8/28/97	PCT				
	B63	WO 97/35620	10/2/97	PCT				
CS	B64	WO 97/40380	10/30/97	PCT				

EXAMINER <u>G. Draper</u>	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 600-1-087CIP1	Serial No. 087438,431
INFORMATION DISCLOSURE STATEMENT		Applicant Friedman, J. et al.	
(Use several sheets if necessary)		Filing Date May 10, 1995	Group 1812

FOREIGN PATENT DOCUMENTS							
*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation
							Yes No
CS	B65	WO 97/41217	11/6/97	PCT			ABSTRACT ONLY
	B66	WO 97/41263	11/6/97	PCT			
	B67	WO 97/42340	11/13/97	PCT			
	B68	WO 97/46585	12/11/97	PCT			
	B69	WO 97/46587	12/11/97	PCT			
	B70	WO 97/12037	4/3/97	PCT			
	B71	WO 96/40912	12/19/96	PCT			
	B72	WO 97/06816	2/27/97	PCT			
	B73	WO 97/18833	5/29/97	PCT			
	B74	WO 97/25424	7/17/97	PCT			
	B75	WO 97/26335	7/24/97	PCT			
	B76	WO 97/32022	9/4/97	PCT			
CS	B77	WO 97/38014	10/16/97	PCT			

EXAMINER <u>C. Draper</u>	/Christine Saoud/	DATE CONSIDERED 07/26/2006
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		



Form PTO-1449 IRSY. 7.801 U.S. Department of Commerce Patent and Trademark Office		ATTORNEY	600-1-087CIP1
		SERIAL NO.	08/438,431
LIST OF DOCUMENTARY INFORMATION CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT	Jeffrey Friedman et al.
		FILING DATE	May 10, 1995
		GROUP	1646

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CS	C119	Genbank Accession No. U18812, <i>Mus musculus</i> obes precursor (ob) mRNA, complete cds., deposited by Zhang, Y. et al., December 21, 1994

EXAMINER:	/Christine Saoud/	DATE CONSIDERED:	07/26/2006
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant</small>			



Form PTO-1449 IRSY. 7.801 U.S. Department of Commerce Patent and Trademark Office		ATTORNEY	600-I-087CIP1
		SERIAL NO.	087458-494
LIST OF DOCUMENTARY INFORMATION CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT	Friedman et al.
		FILING DATE	05/10/05
		GROUP	1616

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
CS	A41	5,512,457	4/30/96	Lyman et al.			
CS	A42	5,098,833	3/24/92	Lasky et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER:	/Christine Saoud/	DATE CONSIDERED:	07/26/2006
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant			

Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 600-1-087CIP1	Serial No. 087438,431
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		Applicant Jeffrey Friedman et al.	
		Filing Date May 10, 1995	Group 1646



U.S. PATENT DOCUMENTS

*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
CS	A25	5,073,627	12/17/91	Curtis <i>et al.</i>	530	351	
	A26	5,116,964	05/26/92	Capon <i>et al.</i>	536	27	
	A27	5,225,538	07/06/93	Capon <i>et al.</i>	530	387.3	
	A28	5,359,034	10/25/94	Skelly <i>et al.</i>	530	351	
	A29	5,428,130	06/27/95	Capon <i>et al.</i>	530	350	
	A30	5,447,851	09/05/95	Beutler <i>et al.</i>	435	69.7	
	A31	5,455,165	10/03/95	Capon <i>et al.</i>	435	64.7	
	A32	5,480,981	01/02/96	Goodwin <i>et al.</i>	536	23.5	
	A33	5,514,582	05/07/96	Capon <i>et al.</i>	435	232.3	
	A34	5,574,018	11/12/96	Habberfield <i>et al.</i>	514	21	
	A35	5,670,625	09/23/97	Lyman <i>et al.</i>	530	387.3	
	A36	5,714,147	02/03/98	Capon <i>et al.</i>	424	178.1	
	A37	5,719,266	02/17/98	DiMarchi <i>et al.</i>	530	350	
	A38	5,739,277	4/14/98	Presta <i>et al.</i>	530	326	
	A39	5,756,461	05/26/98	Stephens, T. W.	514	12	
CS	A40	5,827,734	10/27/98	Weigle <i>et al.</i>	435	326	

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 600-1-087CIP1	Serial No. 08/438,431
INFORMATION DISCLOSURE STATEMENT			
(Use several sheets if necessary)			
Applicant Jeffrey Friedman et al.		Filing Date May 10, 1995	Group 1646

FOREIGN PATENT DOCUMENTS								
*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
CS	B78	AU-B-51978/96	03/05/98	AU			✓	
	B79	EP 0 401 384	12/12/90	EP				
	B80	WO 83/04053	11/24/83	WIPO				
	B81	WO 89/10932	11/16/89	WIPO				
	B82	WO 94/20069	09/15/94	WIPO				
	B83	WO 95/21629	08/17/95	WIPO				
	B84	WO 96/03141	02/08/96	WIPO				
	B85	WO 96/04388	02/15/96	WIPO				
	B86	WO 96/05309	02/22/96	WIPO				
	B87	WO 96/11953	04/25/96	WIPO				
	B88	WO 96/18412	06/20/96	WIPO				
	B89	WO 96/29989	10/03/96	WIPO				
CS	B90	WO 97/24137	07/10/97	WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
CS	C1	Altman, S.W. et al., "Expression and Purification of a Synthetic Human Obese Gene Product," <i>Protein Expression and Purification</i> , 6:722-726 (1995).
CS	C2	Angier, N., "Researchers Link Obesity In Humans To Flaw In A Gene," <i>The New York Times</i> reported on December 1, 1994.

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 600-1-087CIP1	Serial No. 08/438,431
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		Applicant Jeffrey Friedman et al.	
		Filing Date May 10, 1995	Group 1646

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
CS	C3	Barinaga, "Obese' Protein Slims Mice", <i>Science</i> , 269:475-476 (July, 1995).
	C4	Baron, M.H. et al., "Antibodies against the Chemically Synthesized Genome-Linked Protein of Poliovirus React with Native Virus-Specific Proteins," <i>Cell</i> , 28:395-404 (February, 1982).
	C5	Bennett, B.D. et al., "A role for leptin and its cognate receptor in hematopoiesis," <i>Current Biology</i> , 6(9):1170-1180 (September 1, 1996).
	C6	Bishop, J.E., "Newfound Gene May Control Fat Storage," <i>The Wall Street Journal, Health and Science</i> , reported on December 1, 1994.
	C7	Bishop, J.E., "Rockefeller Study Supports Theory That Body Has Fat-Maintenance System," <i>Wall Street Journal</i> , reported on March 9, 1995.
	C8	Campfield, L.A. et al., "Strategies and Potential Molecular Targets for Obesity Treatment," <i>Science</i> , 280:1383-1387 (May, 1998).
	C9	Capon, D.J. et al., "Designing CD4 immunoadhesins for AIDS therapy," <i>Nature</i> , 337:525-531 (February, 1989).
	C10	Chen, H. et al., "Evidence That the Diabetes Gene Encodes the Leptin Receptor: Identification of a Mutation in the Leptin Receptor Gene in <i>db/db</i> Mice," <i>Cell</i> , 84:491-495 (February, 1996).
	C11	Cioffi, J.A. et al., "Novel B219/OB receptor isoforms: Possible role of leptin in hematopoiesis and reproduction," <i>Nature Medicine</i> , 2(5):585-589 (May, 1996).
	C12	Coleman, D.L. et al., "The Influence of Genetic Background on the Expression of the Obese (<i>Ob</i>) Gene in the Mouse," <i>Diabetologia</i> , 9:287-293 (1973).
	C13	Comuzzie, A.G. et al., "The Search for Human Obesity Genes," <i>Science</i> , 280:1374-1377 (May, 1998).
	C14	Considine, R.V. et al., "Ob Gene Expression Is Increased in Adipocytes from Obese Humans," <i>Diabetes</i> , 44:202A (May, 1995) (ABSTRACT 739).
CS	C15	Cusin I. et al., "The <i>ob</i> Gene and Insulin A Relationship Leading to Clues to the Understanding of Obesity," <i>Diabetes</i> , 44:1467-1470 (December, 1995).

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 600-1-087CIP1	Serial No. 08/438,431
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		Applicant Jeffrey Friedman et al.	
		Filing Date May 10, 1995	Group 1646

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)			
CS	C16	Detjen, J. (Philadelphia Inquirer), "Obesity gene find may help millions someday," The Durham Herald Co., <i>The Herald-Sun</i> (Durham, NC), pg. A1, reported on December 1, 1994.	
	C17	Dressman, G.R. et al., "Antibody to hepatitis B surface antigen after a single inoculation of uncoupled synthetic HbsAg peptides," <i>Nature</i> , 295:158-160 (January, 1982).	
	C18	Ellison, J.W. et al., "The nucleotide sequence of a human immunoglobulin Cy ₁ gene," <i>Nucleic Acids Research</i> , 10(13):4071-4079 (1982).	
	C19	Enerbäck, S. et al., "Mice lacking mitochondrial uncoupling protein are cold-sensitive but not obese," <i>Nature</i> , 387:90-93 (May, 1997).	
	C20	Evans, D.J. et al., "Relationship of Body Fat Topography to Insulin Sensitivity and Metabolic Profiles in Premenopausal Women," <i>Metabolism</i> , 33(1):68-75 (January, 1984).	
	C21	Ferré, P., "Obésité. Produit de Gène ob Et Contrôle De La Masse Adipeuse [Obesity, The ob Gene Product and Control of Adipose Mass]," <i>Diabète & Métabolisme (Paris)</i> , 21:217-218 (1995).	
	C22	Fisher, C.J. et al., "Treatment of Septic Shock with the Tumor Necrosis Factor Receptor:Fc Fusion Protein," <i>N. Engl. J. Med.</i> , 334:1697-1702 (1996).	
	C23	Flam, "Obesity Gene Discovery May Help Solve Weighty Problem," <i>Science</i> , 266:1477-1478 (December, 1994).	
	C24	Ford, C.F. et al., "Fusion Tails for the Recovery and Purification of Recombinant Proteins," <i>Protein Expression and Purification</i> , 2:95-107 (1991).	
	C25	Frederich, R. et al., "Nutritional Regulation of ob Gene mRNA in White Adipose Tissue," <i>The Endocrine Society, Programs & Abstracts</i> , 77th Meeting, June 14-17, 1995, Washington, D.C., p.173 (ABSTRACT OR25-3)	
CS	C26	Frederich R.C. et al., "Leptin levels reflect body lipid content in mice: Evidence for diet-induced resistance to leptin action," <i>Nature Medicine</i> , 1(12):1311-1314 (December, 1995).	

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 600-1-087CIP1	Serial No. 08/438,431
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>			
		Applicant Jeffrey Friedman et al.	
		Filing Date May 10, 1995	Group 1046

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
CS	C27	GenBank Accession No. 603288, ob, Deposited by Zhang et al., March 30, 1995.
	C28	GenBank Accession No. 623332, ob, Deposited by Zhang et al., January 13, 1995.
	C29	GenBank Accession No. 726297, obesity protein, Deposited by Chehab et al., March 21, 1995.
	C30	GenBank Accession No. U18812, <i>Mus musculus</i> obese precursor (ob) mRNA, complete cds., deposited by Zhang, Y. et al., March 30, 1995.
	C31	GenBank Accession No. U18915, Human obese (ob) mRNA, complete cds., deposited by Zhang, Y. et al., January 13, 1995.
	C32	GenBank Accession No. U22421, <i>Mus musculus</i> obesity protein (ob) gene, complete cds., Deposited by Chehab et al., March 23, 1995.
	C33	Grundy and Barnett, "Metabolic and Health Complications of Obesity," <i>Disease- a-Month (DM)</i> , 36:645-696 (December, 1990)
	C34	Gura, T., "Uncoupling Proteins Provide New Clue to Obesity's Causes," <i>Science</i> , 280:1369-1370 (May, 1998).
	C35	Hamilton, B.S. et al., "Increased obese mRNA expression in omental fat cells from massively obese humans," <i>Nature Medicine</i> , 1(9):953-956 (September, 1995).
	C36	Harvill, E.T. et al., "An IgG3-IL2 fusion protein activates complement, binds Fc γ RI, generates LAK activity and shows enhanced binding to the high affinity IL-2R," <i>Immunotechnology</i> , 1:95-105 (1995).
	C37	Hawkes, N. "Obesity of Mice and Men," Times Newspaper Limited, <i>The Times</i> , reported on December 5, 1994.
	C38	He, Y. et al., "The Mouse obese Gene," <i>Journal of Biological Chemistry</i> , 270(48):28887-28891 (December, 1995).
CS	C39	Helm, L. (Times Staff Writer), "Gene Found That May Lead To Obesity," <i>The Times Mirror Company, Los Angeles Times</i> , part A, page 1, col. 3 (December 1, 1994).

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 600-1-087CIP1	Serial No. 08/438,431
INFORMATION DISCLOSURE STATEMENT		Applicant Jeffrey Friedman et al.	
(Use several sheets if necessary)		Filing Date May 10, 1995	Group 1646

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)			
CS	C40	Henry R.R. et al., "Effects of Weight Loss on Mechanisms of Hyperglycemia in Obese Non-Insulin-Dependent Diabetes Mellitus," <i>Diabetes</i> , 35:990-998 (September, 1986).	
	C41	Highfield, R. (Science Editor), "Scientists find cause of fat mice and men Gene discovery from overweight rodents may help to produce drugs for people with a hereditary risk of obesity," <i>Telegraph Group Limited, The Daily Telegraph</i> , pg. 7 (December 1, 1994).	
	C42	Hill, J.O. et al., "Environmental Contributions to the Obesity Epidemic," <i>Science</i> , 280:1371-1374 (May, 1998).	
	C43	Hirsch, J., "Some heat but not enough light," <i>Nature</i> , 387:27-28 (May, 1997).	
	C44	Hodgson, " 'Obesity' Where Less is More," <i>Bio/Technology</i> , 13:1060-1063 (October, 1995).	
	C45	Hulsey, M.G. et al., "An Anorectic Agent From Adipose Tissue of Overfed Rats: Effects of Feeding Behavior," <i>Physiol. & Behav.</i> , 52:1141-1149 (1992).	
	C46	Hummel, K.P. et al., "Diabetes, a New Mutation in the Mouse," <i>Science</i> , 153:1127-1128 (1966)	
	C47	Huse, W.D. et al., "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda," <i>Science</i> , 246:1275-1281 (December, 1989).	
	C48	IBI FLAG BIOSYSTEM, "High Yield Expression, Detection, and Purification of Recombinant Proteins in <i>E. coli</i> ," Integrated Sciences Pty Ltd, Sydney, Australia	
	C49	IBI FLAG Epitope, A Technical Bulletin for Users of FLAG Technology, International Biotechnologies Inc., FLAG Product Development Group, IBI, A Kodak Company, New Haven, CT, Volume 1, Number 1, pp. 1-24 (September, 1992).	
CS	C50	Iida, M. et al., "Substitution at Codon 269 (Glutamine→Proline) of the Leptin Receptor (OB-R) cDNA Is the Only Mutation Found in the Zucker Fatty (<i>fa/fa</i>) Rat," <i>Biochemical and Biophysical Research Communications</i> , 224:597-604 (July 16, 1996).	

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 600-1-087CIP1	Serial No. 08/438,431
INFORMATION DISCLOSURE STATEMENT		Applicant Jeffrey Friedman et al.	
(Use several sheets if necessary)		Filing Date May 10, 1995	Group 1646

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)			
CS	C51	Ikeda, H. et al., "Effects of Pioglitazone on Glucose and Lipid Metabolism in Normal and Insulin Resistant Animals," <i>Arzneim.-Forsch./Drug Res.</i> , 40 (l), Nr. 2:156-162 (1990).	
	C52	Isse N. et al., "Structural Organization and Chromosomal Assignment of the Human obese Gene," <i>J. Biological Chemistry</i> , 270(46):27728-27733 (November, 1995).	
	C53	Iwanishi, M. et al., "Effect of Pioglitazone on Insulin Receptors of Skeletal Muscles From High-Fat-Fed Rats," <i>Metabolism</i> , 42(8):1017-1021 (August, 1993).	
	C54	Jeanrenaud, B., "An hypothesis on the aetiology of obesity: dysfunction of the central nervous system as a primary cause," <i>Diabetologia</i> , 28:502-513 (1985).	
	C55	Jeanrenaud, B., "Central Nervous System and Peripheral Abnormalities: Clues to the Understanding of Obesity and NIDDM," <i>Diabetologia</i> , 37(Suppl. 2):S169-S178 (1994).	
	C56	Jeanrenaud, B. "Neuroendocrine and Metabolic Basis of Type II Diabetes as Studied in Animal Models," <i>Diabetes/Metabolism Reviews</i> , 4(6):603-614 (1988).	
	C57	Kaiser, E.T. et al., "Amphiphilic Secondary Structure: Design of Peptide Hormones," <i>Science</i> , 223:249-255 (January, 1984).	
	C58	Kallen, C.B. et al., "Antidiabetic thiazolidinediones inhibit leptin (ob) gene expression in 3T3-L1 adipocytes," <i>Proc. Natl. Acad. Sci.</i> , 93:5793-5796 (June, 1996).	
	C59	Kiberstis, P.A. et al., "Regulation of Body Weight," <i>Science</i> , 280:1363 (May, 1998).	
	C60	Kissebah, A.H. et al., "Health Risks of Obesity," <i>Medical Clinical North America</i> , 73(1):111-138 (January, 1989).	
	C61	Kissebah, A.H. et al., "Regional Adiposity & Morbidity" in <i>Physiological Reviews: Body Fat Distribution & Morbidity</i> , 74(4):761-811 (October, 1994).	
	C62	Kletzien, R.F. et al., "Adipocyte Fatty Acid-Binding Protein: Regulation of Gene Expression <i>In Vivo</i> and <i>In Vitro</i> by an Insulin-Sensitizing Agent," <i>Molecular Pharmacology</i> , 42:558-562 (1992).	
CS	C63	Kobayashi, M. et al., "Pioglitazone Increases Insulin Sensitivity by Activating Insulin Receptor Kinase," <i>Diabetes</i> , 41:476-483 (April, 1992).	

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 600-1-087CIP1	Serial No. 08/438,431
INFORMATION DISCLOSURE STATEMENT		Applicant Jeffrey Friedman et al.	
(Use several sheets if necessary)		Filing Date May 10, 1995	Group 1646

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)			
CS	C64	Köhler, G. et al., "Derivation of specific antibody-producing tissue culture and tumor lines by cell fusion," <i>Eur. J. Immunol.</i> , 6:511-519 (1976).	
	C65	Lerner, R.A. et al., "Antibodies to Chemically Synthesized Peptides Predicted from DNA Sequences as Probes of Gene Expression," <i>Cell</i> , 23:309-310 (February, 1981).	
	C66	Lerner, R.A. et al., "Chemically synthesized peptides predicted from the nucleotide sequence of the hepatitis B virus genome elicit antibodies reactive with the native envelope protein of Dane particles," <i>Proc. Natl. Acad. Sci., USA</i> , 78(6):3403-3407 (June, 1981).	
	C67	Lerner, R.A., "Synthetic Vaccines," <i>Scientific American</i> , 248:66-74 (1983).	
	C68	Levin, N. et al., "Decreased food intake does not completely account for adiposity reduction after ob protein infusion," <i>Proc. Natl. Acad. Sci.</i> , 93:1726-1730 (February, 1996).	
	C69	LindPaintner, K., "Clinical Implications of Basic Research: Finding an Obesity Gene-A Tale of Mice and Man," <i>New England Journal of Medicine</i> , 332(10):679-680 (March, 1995).	
	C70	Marx, J., "Obesity Gene Discovery May Help Solve Weighty Problem," <i>Surg. Neurol.</i> , 43:351-352 (1995).	
	C71	Marx, J., "Obesity Gene Discovery May Help Solve Weighty Problem," <i>Science</i> , 266:1477-1478 (December, 1994).	
	C72	Masuda, K. et al., "Effects of Troglitazone (CS-045) on insulin secretion in isolated rat pancreatic islets and HIT cells: an insulinotropic mechanism distinct from glibenclamide," <i>Diabetologia</i> , 38:24-30 (1995).	
CS	C73	Masuzaki et al., "Molecular Cloning of a Rat Obese (ob) Complement DNA - Augmented Gene Expression in Obese-Hyperglycemic Wistar Fatty Rats," The Endocrine Society, Programs & Abstracts, 77th Annual Meeting, June 14-17, 1995, Washington, D.C., p.175 (ABSTRACT P1-250)	

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 600-1-087CIP1	Serial No. 08/438,431
INFORMATION DISCLOSURE STATEMENT		Applicant Jeffrey Friedman et al.	
(Use several sheets if necessary)		Filing Date May 10, 1995	Group 1646

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)			
CS	C74	Masuzaki, H. et al., "Adipose Tissue-specific Expression of the <i>Obese</i> (ob) Gene in Rats and Its Marked Augmentation in Genetically Obese-hyperglycemic Wistar Fatty Rats," <i>Proceedings of the Japan Academy Series B Physical and Biological Sciences</i> , 71(5):148-152 (1995).	
	C75	McGarry, J.D., "Does leptin lighten the problem of obesity?" <i>Current Biology</i> , 5(12):1342-1344 (1995).	
	C76	Mini-Symposium on Flag Technology, ASCB 1992, "Purification and Characterization of Cellular Proteins with the Flag Epitope," Colorado Convention Center, Denver, Colorado, 8 pages (November 18, 1992)	
	C77	Mizuno, T. et al., "Elevated Expression of Obese (ob/ob) Gene Product in Adipose Tissue, and Impaired Induction by Insulin of Jun-B mRNA in Liver, in Genetically Obese Yellow Mice," <i>The Endocrine Society, Programs & Abstracts</i> , 77th Annual Meeting, June 14-17, 1995, Washington, D.C., p.174 (ABSTRACT P1-248)	
	C78	Moinat, M. et al., "Modulation of <i>obese</i> gene expression in rat brown and white adipose tissues," <i>FEBS Letters</i> , 373:131-134 (1995).	
	C79	Murakami, N. et al., "Amelioration of insulin resistance in genetically obese rodents by M16209, a new antidiabetic agent," <i>European Journal of Pharmacology</i> , 304:129-134 (1996).	
	C80	Murakami, T. et al., "Cloning of Rat <i>Obese</i> cDNA and its Expression in Obese Rats," <i>Biochemical and Biophysical Research Communications</i> , 209(3):944-952 (April, 1995).	
	C81	Nakamura, M.T. , "Another Obese Gene Function," <i>Nature</i> , 374:124 (March, 1995)	
	C82	Ogawa, et al., "Region-Specificities of the <i>Obese</i> (ob) Gene Expression in Adipose Tissue in Mice and Altered Gene Expression in C57BL/6J ob/ob Mice," <i>The Endocrine Society, Programs and Abstracts</i> , 77th Annual Meeting, June 14-17, 1995, Washington, D.C., p.175 (ABSTRACT P1-249).	
	C83	Olefsky, J.M., "Weighing in on the Lean Genes," <i>Journal of Clinical Investigations</i> , 95:2427-2428 (June, 1995).	
CS	C84	Palmiter, R.D. et al., "Metallothionein-Human GH Fusion Genes Stimulate Growth of Mice," <i>Science</i> , 222:809-814 (November, 1983).	

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 600-1-087CIP1	Serial No. 087438,431
INFORMATION DISCLOSURE STATEMENT		Applicant Jeffrey Friedman et al.	
(Use several sheets if necessary)		Filing Date May 10, 1995	Group 1646

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
CS	C85	Peiris, A.N. et al., "Glucose Metabolism in Obesity: Influence of Body Fat Distribution," <i>J. Clinical Endocrinology Metabolism</i> , 67(4):760-767 (1988).
	C86	Peiris, A.N. et al., "Relationship of Body Fat Distribution to the Metabolic Clearance of Insulin in Premenopausal Women," <i>International J. Obesity</i> , 11:581-589 (1987).
	C87	Peiris, A.N. et al., "Splanchnic Insulin Metabolism in Obesity Influence of Body Fat Distribution," <i>J. Clin. Invest.</i> , 78:1648-1657 (December, 1986).
	C88	Polonsky, K.S. et al., "Use of Biosynthetic Human C-peptide in the Measurement of Insulin Secretion Rates in Normal Volunteers and Type I Diabetic Patients," <i>J. Clin. Invest.</i> , 77:98-105 (January, 1986).
	C89	Reddy, R. et al., "Equivalent Levels of OB Gene Expression in Adipose Tissues of Morbidly Obese and Lean Patients," The Endocrine Society, Programs & Abstracts, 77th Annual Meeting, June 14-17, 1995, Washington, D.C., (ABSTRACT P3-266).
	C90	Rink, "In Search of a Satiety Factor," <i>Nature</i> , 372(1):406-407 (December, 1994).
	C91	Schwartz, M.W. et al., "Specificity of Leptin Action on Elevated Blood Glucose Levels and Hypothalamic Neuropeptide Y Gene Expression in ob/ob Mice," <i>Diabetes</i> , 45:531-535 (April, 1996).
	C92	Shafir, E., "Animal Models of Non-Insulin-Dependent Diabetes," <i>Diabetes/Metabolism Reviews</i> , 8(3):179-208 (1992).
	C93	Shigemoto, M. et al., "Tissue Distribution of the Obese (ob) Gene Expression in Mice and Augmented Gene Expression in the ob/ob Mice," <i>Diabetes</i> , 44:204A (May, 1995) (ABSTRACT 748).
	C94	Sohda, T. et al., "Studies on Antidiabetic Agents. XII. ^{1) Synthesis and Activity of the Metabolites of (±)-5-[p-[2-(5-Ethyl-2-pyridyl)ethoxy]benzyl]-2,4-thiazolidinedione (Pioglitazone)," <i>Chem. Pharm. Bull.</i>, 43(12):2168-2172 (1995).}
CS	C95	Stephens et al., "The Role of Neuropeptide Y in the Antiobesity Action of the Obese Gene Product," <i>Nature</i> , 377:530-532 (October, 1995).

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 600-1-087CIP1	Serial No. <u>087438,431</u>
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		Applicant Jeffrey Friedman et al.	
		Filing Date <u>May 10, 1995</u>	Group <u>1646</u>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)			
CS			
	C96	Stirling B. <i>et al.</i> , "Identification of Microsatellite Markers Near the Human ob Gene and Linkage Studies in NIDDM-Affected Sib Pairs," <i>Diabetes</i> , 44: 999-1001 (August, 1995).	
	C97	Sugiyama, Y. <i>et al.</i> , "Effects of Pioglitazone on Glucose and Lipid Metabolism in Wistar Fatty Rats," <i>Arzneim.-Forsch./Drug Res.</i> 40(1), Nr.3:263-267 (1990).	
	C98	Sugiyama, Y. <i>et al.</i> , "Effects of Pioglitazone on Hepatic and Peripheral Insulin Resistance in Wistar Fatty Rats," <i>Arzneim.-Forsch./Drug Res.</i> 40(1), Nr. 4:436-440 (1990).	
	C99	Swanson, M.L. <i>et al.</i> , "Antidiabetic Agent Pioglitazone Increases Insulin Receptors on 3T3-L1 Adipocytes," <i>Drug Development Research</i> , 35: 69-82 (1995).	
	C100	Tartaglia, L.A. <i>et al.</i> , "Identification and Expression Cloning of a Leptin Receptor, OB-R," <i>Cell</i> , 83:1263-1271 (December, 1995).	
	C101	Taubes, G., "As Obesity Rates Rise, Experts Struggle to Explain Why," <i>Science</i> , 280:1367-1368 (May, 1998).	
	C102	Thomas, S.A. <i>et al.</i> , "Thermoregulatory and metabolic phenotypes of mice lacking noradrenaline and adrenaline," <i>Nature</i> , 387:94-97 (May, 1997).	
	C103	Van Zee, K. <i>et al.</i> , "Protection Against Lethal Escherichia coli Bacteremia in Baboons (Papio anubis) by Pretreatment with a 55-kDa TNF Receptor (CD120a)-Ig Fusion Protein, Ro 45-2081 ¹ ," <i>The Journal of Immunology</i> , 156:2221-2230 (1996).	
	C104	Vydelingum S. <i>et al.</i> , "Overexpression of the Obese Gene in the Genetically Obese JCR:LA-Corpulent Rat," <i>Biochemical and Biophysical Research Communications</i> , 216(1):148-153 (November, 1995).	
	C105	Walsh, B.T. <i>et al.</i> , "Eating Disorders: Progress and Problems," <i>Science</i> , 280:1387-1390 (May, 1998).	
	C106	Watson, T., "What really plumps you up," <i>U.S. News and World Report</i> , Vol. 117, No. 23, pg. 80, reported on December 12, 1994.	
CS	C107	Weigle, D.S., "Appetite and the regulation of body composition," <i>FASEB</i> , 8:302-310 (1994).	

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 600-1-087CIP1	Serial No. 08/438,431
INFORMATION DISCLOSURE STATEMENT		Applicant Jeffrey Friedman et al.	
(Use several sheets if necessary)		Filing Date May 10, 1995	Group 1646

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)			
CS	C108	Weigle <i>et al.</i> , "Recombinant <i>ob</i> Protein Reduces Feeding and Body Weight in the <i>ob/ob</i> Mouse," <i>J. Clin. Invest.</i> , 96:2065-2070 (October, 1995).	
	C109	West, D.B. <i>et al.</i> , "Genetics of Dietary Obesity in AKR/J X SWR/J Mice - Segregation of the Trait and Identification of a Linked Locus on Chromosome-4," <i>Mammalian Genome</i> , 5(9):546-552 (September, 1994).	
	C110	Wickelgren, I., "Obesity: How Big a Problem?" <i>Science</i> , 280:1364-1367 (May, 1998).	
	C111	Willson, T.M. <i>et al.</i> , "The Structure-Activity Relationship between Peroxisome Proliferator-Activated Receptor γ Agonism and the Antihyperglycemic Activity of Thiazolidinediones," <i>J. Med. Chem.</i> , 39:665-668 (1996).	
	C112	Wilson, B.E. <i>et al.</i> , "Identification of an overfeeding-induced adipocyte 5kb mRNA Lacking Sequence Homology to Known Adipocyte Genes," <i>The Adipose Cell: A Model for Integration of Hormone Signalling in the Regulation of Cellular Function</i> , p. 34 (ABSTRACT CA 318).	
	C113	Woods, S.C. <i>et al.</i> , "Signals That Regulate Food Intake and Energy Homeostasis," <i>Science</i> , 280:1378-1383 (May, 1998).	
	C114	Yamakawa, T. <i>et al.</i> , "Augmented Production of Tumor Necrosis Factor- α in Obese Mice," <i>Clinical Immunol. Immunopathol.</i> , 75(1):51-56 (April, 1995).	
	C115	Zarjevski <i>et al.</i> , "Chronic Intracerebroventricular Neuropeptide-Y Administration to Normal Rats Mimics Hormonal and Metabolic Changes of Obesity," <i>Endocrinology</i> , 133(4):1753-1758 (1993).	
	C116	Zhang, B. <i>et al.</i> , "Down-regulation of the Expression of the <i>Obese</i> Gene by an Antidiabetic Thiazolidinedione in Zucker Diabetic Fatty Rats and <i>db/db</i> Mice," <i>J. Biological Chemistry</i> , 271(16):9455-9459 (April, 1996).	
	C117	Zheng, X. <i>et al.</i> , "Administration of Noncytolytic IL-10/Fc in Murine Models of Lipopolysaccharide-Induced Septic Shock and Allogeneic Islet Transplantation," <i>The Journal of Immunology</i> , 154:5590-5600 (1995).	
CS	C118	Zucker, L.M. <i>et al.</i> , "Fatty, A New Mutation in the Rat," <i>J. Heredity</i> , 52:275-278 (1961).	

EXAMINER <i>/Christine Saoud/</i>	DATE CONSIDERED 07/26/2006
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	